

Comments on Petition RM-10806

Concerning Amendment of Part 97 Rules
to Eliminate Element 1 (5 Words-Per-Minute
Radiotelegraph Examination) testing on a
limited basis

I agree with the author of this petition that Element 1 should be retained as a vital part of the testing program for the qualification of Amateur Radio Licensees.

In addition to the advantages that the petitioner cited, I would add the advantages a amateur skilled in the use of the International Radiotelegraph Code enjoys when undertaking a program of learning about Radio Frequency Design by constructing their own Amateur Radio equipment.

From Part 97.1, 'Basis and Purpose' of the FCC Rules governing the Amateur Radio Service, paragraphs (b), (c), and (d) are relevant here:

(b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.

(c) Encouragement and improvement of the amateur radio service through rules which provide for advancing skills in both the communication and technical phases of the art.

(d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.

Clearly, an important activity within the Amateur service is the acquisition of the skill of designing, constructing, and operating one's own Amateur Radio apparatus. The amateur skilled in the use of the International Radiotelegraph Code is in an excellent position to begin such a program, because of the relative simplicity of the equipment required for radiotelegraph code operation. Simple direct conversion receivers, and two stage crystal-controlled transmitters, are simple to construct and debug; and several are available in kit form.

In contrast to the excellent position enjoyed by the amateur skilled in the use of the International Radiotelegraph Code, the amateur fluent only in voice or digital modes has a much higher barrier to overcome to construct useful apparatus. The design and construction of a phasing or filter type single sideband transceiver is of such a level of complexity, that few amateurs would undertake it unless they had earlier attempted simpler projects, such as radiotelegraph code apparatus. I think it would not be unreasonable to predict that they would never begin to attempt it.

Respectfully Submitted,

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